

RESEARCH AND DEVELOPMENT
CHEMICAL ANALYSIS SECTION
SERVICE REQUEST AND DATA SHEET

Submitter: L. CHAMBERS
Co-Submitter: J. GARMAN

Loc: 2871
Loc:

Request Code: MA975
Project Code:

Program : 7A14

Submitted On: 11/07/97

Completed On: 12/10/97

Request Description:

MASSACHUSETTS PRODUCT: MARLBORO FAMILY

| | | MA975-1A | MA975-2A | MA975-3A | MA975-4A |
|-----------------------|---|----------|----------|----------|----------|
| Alkaloids | % | 1.73 | 1.65 | 1.69 | 1.60 |
| Nicotine by CDC Proc. | % | 1.63 | 1.59 | 1.64 | 1.57 |
| Nicotine by GC | % | 1.66 | 1.63 | 1.65 | 1.66 |
| Oven Volatiles | % | 13.25 | 13.11 | 13.48 | 12.81 |
| OV As Is | % | 13.67 | 13.72 | 14.15 | 13.33 |
| | | MA975-1B | MA975-2B | MA975-3B | MA975-4B |
| Alkaloids | % | 1.64 | 1.68 | 1.69 | 1.62 |
| Nicotine by CDC Proc. | % | 1.61 | 1.60 | 1.58 | 1.57 |
| Nicotine by GC | % | 1.78 | 1.65 | 1.67 | 1.63 |
| Oven Volatiles | % | 13.25 | 13.18 | 13.50 | 12.83 |
| OV As Is | % | 13.63 | 13.53 | 14.07 | 13.18 |
| | | MA975-1C | MA975-2C | MA975-3C | MA975-4C |
| Alkaloids | % | - | - | - | - |
| Nicotine by CDC Proc. | % | 1.66 | 1.56 | 1.63 | 1.58 |
| Nicotine by GC | % | - | - | - | - |
| Oven Volatiles | % | - | - | - | - |
| OV As Is | % | - | - | - | - |

Abbreviations: N.D. = Not Detected By Method Used I.S. = Insufficient Sample

Comments: ova determined before sample prep

-A, -B & -C suffix denotes 3 determinations
per sample for CDCNIC

-A, -B suffix denotes 2 determinations per sample for
OVA, OV, ALK & GNIC.

Sample prep: Robot Coupe grinding 3 minutes at 2000 rpm.

Condensate observed on lid of the Robot Coupe during prep on samples

MA975-(2-3).

Sample Description

MA975-1A MR8
MA975-2A MRM8
MA975-3A ML8
MA975-4A ML8M
MA975-1B MR8
MA975-2B MRM8
MA975-3B ML8
MA975-4B ML8M
MA975-1C MR8
MA975-2C MRM8
MA975-3C ML8
MA975-4C ML8M

Analytical Sample Preparation

ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND
ROBOT COUPE GROUND

The value reported for Nicotine by CDC procedure is weight % nicotine. The value is the result reported by the HP Chemstation and has not been corrected for recovery or cigarette weight

PM3000397100